

**Sensor Loop With Distributed Power Sources  
And Method Therefor**

**Abstract Of The Disclosure**

5 A fail-safe electrical control system in the form of a  
sensor loop (24) is provided. The sensor loop (24) includes  
any number of sensor units (22) coupled in series. Each sensor  
unit (22) includes a local power source (26), a local sensor  
10 (14), and a local indicator controller (30). The local power  
source (26), local sensor (14), and local indicator controller  
(30) are coupled in series within the sensor unit (22) and the  
sensor loop (24) to form a closed circuit (40) that does not  
require a central controller or the performance of loop  
15 configuration activities. The local power sources (26)  
distributed throughout the sensor loop (24) within the sensor  
units (22) are all isolated from the earth. In one preferred  
embodiment, the sensor loop (24) controls the movement of solar  
collectors (12) into wind stow positions when high wind (16)  
20 conditions occur.